

5620

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/520,901
Source: PU/10
Date Processed by STIC: 1/24/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

| <u>ERROR DETECTED</u> | <u>SUGGESTED CORRECTION</u> | SERIAL NUMBER: <u>10/520,901</u> |
|--|--|----------------------------------|
| ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE | | |
| 1 ____ Wrapped Nucleics Wrapped Aminos | The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping." | |
| 2 ____ Invalid Line Length | The rules require that a line not exceed 72 characters in length. This includes white spaces. | |
| 3 ____ Misaligned Amino Numbering | The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead. | |
| 4 ____ Non-ASCII | The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text. | |
| 5 ____ Variable Length | Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing. | |
| 6 ____ PatentIn 2.0 "bug" | A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences. | |
| 7 ____ Skipped Sequences (OLD RULES) | Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences. | |
| 8 ____ Skipped Sequences (NEW RULES) | Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000 | |
| 9 ____ Use of n's or Xaa's (NEW RULES) | Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents. | |
| 10 ____ Invalid <213> Response | Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence | |
| 11 ____ Use of <220> FYI | Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules) | |
| 12 ____ PatentIn 2.0 "bug" | Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk. | |
| 13 ____ Misuse of n/Xaa | "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid | |



PCT

RAW SEQUENCE LISTING

DATE: 01/24/2005

PATENT APPLICATION: US/10/520,901

TIME: 10:01:10

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\01242005\J520901.raw

2 <110> APPLICANT: KANSAI TLO
 W--> 3 <120> TITLE OF INVENTION: Selective Replication of Tumor-specific Replication-competent Adenovirus

W--> 4 on Tumor Cells

W--> 5 <130> FILE REFERENCE: 42002JP

W--> 6 <140> CURRENT APPLICATION NUMBER: 10/520,901

7 <141> CURRENT FILING DATE: 2005-01-07

W--> 8 <160> NUMBER OF SEQ ID: 8

9 <170> SOFTWARE: PatentIn Ver. 2.1

11 <210> SEQ ID NO: 1

12 <211> LENGTH: 899

13 <212> TYPE: DNA

14 <213> ORGANISM: 293 cell

W--> 15 <400> SEQUENCE: 1

| | | | | | | | |
|----|------------|------------|-------------|-------------|-------------|-------------|-----|
| 16 | acaccgggac | tgaaaatgag | acatatattac | tgccacggag | gtgtttattac | cgaagaaatg | 60 |
| 17 | gccgccagtc | ttttggacca | gctgatcgaa | gaggtactgg | ctgataaatct | tccacctcct | 120 |
| 18 | agccattttg | aaccacctac | ccttcacgaa | ctgtatgatt | tagacgtgac | ggcccccgaa | 180 |
| 19 | gatcccaacg | aggaggcggt | ttcgcagatt | tttcccgaact | ctgtaatgtt | ggcgggtgcag | 240 |
| 20 | gaagggattg | acttactcac | ttttccgccg | gcgcccgggt | ctccggagcc | gcctcacctt | 300 |
| 21 | tcccggcagc | ccgagcagcc | ggagcagaga | gccttgggtc | cggtttctat | gccaaacctt | 360 |
| 22 | gtaccggagg | tgatcgatct | tacctgccac | gaggtctggc | ttccaccag | tgacgacgag | 420 |
| 23 | gatgaagagg | gtgaggagtt | tgtgttagat | tatgtggagc | accccgggca | cggttgcagg | 480 |
| 24 | tcttgtcatt | atcaccggag | gaatacgggg | gacccagata | ttatgtgttc | gctttgctat | 540 |
| 25 | atgaggacct | gtggcatgtt | tgtctacagt | cctgtgtctg | aaacctgagc | tgagcccagag | 600 |
| 26 | ccagaaccgg | agcctgcaag | acctacccgc | cgtcctaaaa | tggcgcctgc | tatcctgaga | 660 |
| 27 | cgcccgacat | cacctgtgtc | tagagaatgc | aatagtagta | cggatagctg | tgactccggt | 720 |
| 28 | ccttctaaca | cacctcctga | gatacacccg | gtggtcccgc | tgtgccccat | taaaccagtt | 780 |
| 29 | gccgtgagag | ttggtgggag | tcgccaggct | gtggaatgta | tcgaggactt | gcttaacgag | 840 |
| 30 | cctgggcaac | ctttggactt | gagctgtaaa | cgccccaggc | cataagggtg | aaacctgtg | 899 |

32 <210> SEQ ID NO: 2

33 <211> LENGTH: 1823

34 <212> TYPE: DNA

35 <213> ORGANISM: 293 cell

W--> 36 <400> SEQUENCE: 2

| | | | | | | | |
|----|------------|------------|------------|------------|------------|-------------|-----|
| 37 | ctgacctcat | ggaggcttgg | gagtgtttgg | aagatttttc | tgtgtgtcgt | aacttgtctg | 60 |
| 38 | aacagagctc | taacagtacc | tcttggtttt | ggagggtttc | gtggggctca | tcccaggcaa | 120 |
| 39 | agttagtctg | cagaattaag | gaggattaca | agtgggaatt | tgaagagctt | ttgaaatcct | 180 |
| 40 | gtggtgagct | gtttgattct | ttgaatctgg | gtcaccaggc | gcttttccaa | gagaagggtca | 240 |
| 41 | tcaagacttt | ggatttttcc | acaccggggc | gcgctgcggc | tgtgtgtgct | tttttgagtt | 300 |
| 42 | ttataaagga | taaatggagc | gaagaaaccc | atctgagcgg | ggggtacctg | ctggattttc | 360 |
| 43 | tggccatgca | tctgtggaga | gcggttgtga | gacacaagaa | tcgcctgcta | ctgttgtctt | 420 |
| 44 | ccgtccgccc | ggcgataata | ccgacggagg | agcagcagca | gcagcaggag | gaagccaggc | 480 |
| 45 | ggcggcggca | ggagcagagc | ccatggaacc | cgagagccgg | cctggaccct | cggaatgaa | 540 |
| 46 | tgttgtacag | gtggctgaac | tgtatccaga | actgagacgc | attttgacaa | ttacagagga | 600 |

pg 1-4
 Does Not Comply
 Corrected Diskette Needed

invalid response- see item 10 on Error Summary Sheet

please align your cumulative totals Per 1.822 of sequence Rules, the totals are aligned at right margin

please align

1/24/05

RAW SEQUENCE LISTING

DATE: 01/24/2005

PATENT APPLICATION: US/10/520,901

TIME: 10:01:10

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\01242005\J520901.raw

| | | | | | | | |
|----|-------------|-------------|------------|------------|------------|-------------|------|
| 47 | tgggcagggg | ctaaaggggg | taaagagggg | gcggggggct | tgtgaggcta | cagaggaggg | 660 |
| 48 | taggaatcta | gcttttagct | taatgaccag | acaccgtcct | gagtgtatta | cttttcaaca | 720 |
| 49 | gatcaaggat | aattgcgcta | atgagcttga | tctgctggcg | cagaagtatt | ccatagagca | 780 |
| 50 | gctgaccact | tactggctgc | agccagggga | tgattttgag | gaggctatta | gggtatatgc | 840 |
| 51 | aaagggtggca | cttaggccag | attgcaagta | caagatcagc | aaacttgtaa | atatcaggaa | 900 |
| 52 | ttgttctac | atttctggga | acggggccga | ggtggagata | gatacggagg | ataggggtggc | 960 |
| 53 | ctttagatgt | agcatgataa | atatgtggcc | gggggtgctt | ggcatggacg | gggtggttat | 1020 |
| 54 | tatgaatgta | aggtttactg | gccccaat | tagcgtacg | gttttcctgg | ccaataccaa | 1080 |
| 55 | ccttatccta | cacggtgtaa | gcttctatgg | gtttaacaat | acctgtgtgg | aagcctggac | 1140 |
| 56 | cgatgtaagg | gttcggggct | gtgcctttta | ctgctgctgg | aagggggtgg | tgtgtcgccc | 1200 |
| 57 | caaaagcagg | gcttcaatta | agaaatgcct | ctttgaaagg | tgtaccttgg | gtatcctgtc | 1260 |
| 58 | tgagggtaac | tccagggtgc | gccacaatgt | ggcctccgac | tgtggttgct | tcagtctagt | 1320 |
| 59 | gaaaagcgtg | gctgtgatta | agcataacat | ggtagtgggc | aactgcgagg | acagggcctc | 1380 |
| 60 | tcagatgctg | gctgtgctcg | acggcaactg | tcacctgtcg | aagaccattc | acgtagccag | 1440 |
| 61 | ccactctcgc | aaggcctggc | cagtgtttga | gcataacata | ctgacccgct | gttccttgca | 1500 |
| 62 | tttgggtaac | aggagggggg | tgttcctacc | ttaccaatgc | aatttgagtc | acactaagat | 1560 |
| 63 | attgcttgag | cccagagagca | tgtccaaggt | gaacctgaac | ggggtgtttg | acatgaccat | 1620 |
| 64 | gaagatctgg | aagggtgctga | ggtacgatga | gacccgcacc | aggtgcagac | cctgcgagtg | 1680 |
| 65 | tggcggtaaa | catattagga | accagcctgt | gatgctggat | gtgaccgagg | agctgaggcc | 1740 |
| 66 | cgatcacttg | gtgctggcct | gcacccgcgc | tgagtttggc | tctagcgatg | aagatacaga | 1800 |
| 67 | ttgagggtact | gaaatgtgtg | ggc | | | | 1823 |

69 <210> SEQ ID NO: 3

70 <211> LENGTH: 605

71 <212> TYPE: DNA

72 <213> ORGANISM: 293 cell

W--> 73 <400> SEQUENCE: 3

| | | | | | | | |
|----|------------|------------|------------|------------|-------------|------------|-----|
| 74 | tgcatctagg | gcggccaatt | ccgcccctct | cctccccccc | cccctaactg | tactggccga | 60 |
| 75 | agccgcttgg | aataaggccg | gtgtgcgttt | gtctatatgt | gattttccac | catattgccg | 120 |
| 76 | tcttttggca | atgtgagggc | ccggaaacct | ggccctgtct | tcttgacgag | cattcctagg | 180 |
| 77 | ggtctttccc | ctctcgccaa | aggaatgcaa | ggctctgtga | atgtcgtgaa | ggaagcagtt | 240 |
| 78 | cctctggaag | cttcttgaag | acaaacaacg | tctgtagcga | ccctttgcag | gcagcggaac | 300 |
| 79 | ccccacctg | gcgacaggtg | cctctgcggc | caaaagccac | gtgtataaga | tacacctgca | 360 |
| 80 | aaggcggcac | aaccccagtg | ccacgttgtg | agttggatag | ttgtggaaag | agtcaaattg | 420 |
| 81 | ctctcctcaa | gcgtattcaa | caaggggctg | aaggatgccc | agaagggtacc | ccattgtatg | 480 |
| 82 | ggatctgac | tggggcctcg | gtgcacatgc | tttacatgtg | tttagtcgag | gttaaaaaaa | 540 |
| 83 | cgtctaggcc | ccccgaacca | cggggacgtg | gttttccttt | gaaaaacacg | atgataagct | 600 |
| 84 | tgcca | | | | | | 605 |

86 <210> SEQ ID NO: 4

87 <211> LENGTH: 455

88 <212> TYPE: DNA

89 <213> ORGANISM: 293 cell

W--> 90 <400> SEQUENCE: 4

| | | | | | | | |
|----|------------|------------|------------|------------|------------|------------|-----|
| 91 | tggccctcc | ctcgggttac | cccacagcct | aggccgattc | gacctctctc | cgtgggggcc | 60 |
| 92 | ctcgttggcg | tccctgcacc | ctgggagcgc | gagcggcgcg | cgggcggggg | agcgcggccc | 120 |
| 93 | agacccccgg | gtccgcccgg | agcagctgcg | ctgtcggggc | caggccgggc | tcccagtgga | 180 |
| 94 | ttcgcggtga | cagacgcccc | ggaccgcgct | ccccacgtgg | cggagggact | ggggacccgg | 240 |
| 95 | gcacccgtcc | tgccccctca | ccttcacgct | ccgcctcctc | cgcgcggacc | ccgccccgtc | 300 |
| 96 | ccgacccctc | ccgggtcccc | ggcccagccc | cctccggggc | ctcccagccc | ctccccctcc | 360 |
| 97 | tttccgcggc | cccgcctctc | cctcgcggcg | cgagtttcag | gcagcgctgc | gtcctgctgc | 420 |

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/520,901

DATE: 01/24/2005

TIME: 10:01:10

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\01242005\J520901.raw

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98 gcacgtggga agccctggcc ccggccaccc ccgcg 455
100 <210> SEQ ID NO: 5
101 <211> LENGTH: 20
102 <212> TYPE: DNA
103 <213> ORGANISM: 293 cell
W--> 104 <400> SEQUENCE: 5
105 acaccgggac tgaaaatgag 20
107 <210> SEQ ID NO: 6
108 <211> LENGTH: 21
109 <212> TYPE: DNA
110 <213> ORGANISM: 293 cell
W--> 111 <400> SEQUENCE: 6
112 cacaggttta caccttatgg c 21
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 20
116 <212> TYPE: DNA
117 <213> ORGANISM: 293 cell
W--> 118 <400> SEQUENCE: 7
119 ctgacctcat ggaggcttgg 20
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 21
123 <212> TYPE: DNA
124 <213> ORGANISM: 293 cell
W--> 125 <400> SEQUENCE: 8
126 gccacacat ttcagtacct c 21
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RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 01/24/2005

PATENT APPLICATION: US/10/520,901

TIME: 10:01:11

FYI

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\01242005\J520901.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 3

Seq#:2; Line(s) 37,38,39,40,41,42,43,46,48,49,50,53,54,55,56,57,58,61,62,63

Seq#:2; Line(s) 66

Seq#:3; Line(s) 74,75,76,77,81,82,83

Seq#:4; Line(s) 91,95,97

VERIFICATION SUMMARY

DATE: 01/24/2005

PATENT APPLICATION: US/10/520,901

TIME: 10:01:11

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\01242005\J520901.raw

L:3 M:283 W: Missing Blank Line separator, <120> field identifier
L:5 M:283 W: Missing Blank Line separator, <130> field identifier
L:6 M:283 W: Missing Blank Line separator, <140> field identifier
L:8 M:283 W: Missing Blank Line separator, <160> field identifier
L:15 M:283 W: Missing Blank Line separator, <400> field identifier
L:36 M:283 W: Missing Blank Line separator, <400> field identifier
L:73 M:283 W: Missing Blank Line separator, <400> field identifier
L:90 M:283 W: Missing Blank Line separator, <400> field identifier
L:104 M:283 W: Missing Blank Line separator, <400> field identifier
L:111 M:283 W: Missing Blank Line separator, <400> field identifier
L:118 M:283 W: Missing Blank Line separator, <400> field identifier
L:125 M:283 W: Missing Blank Line separator, <400> field identifier